



Fall 2013



CRANBROOK Cares!

Our Fall **Sustainability at Cranbrook!** Newsletter shares with you some of the latest sustainability initiatives and events happening at Cranbrook. Articles feature the projects and accomplishments of our amazing faculty, staff and student body in the area of sustainability. Be sure to check out our challenges and ideas related to how you you can engage in the process of helping to build a sustainable Community now and in the future! **Enjoy!**



CRANBROOK EDUCATIONAL COMMUNITY

SUSTAINABILITY AT CRANBROOK

"WE" DO RECYCLE: PUT IN RECYCLE BINS

FIBER

- Cardboard & Paper Bags (*Flatten cardboard & cut into pieces*)
- Office Paper (*All types and sizes*)
- File Folders
- Junk Mail (Envelopes, Flyers, Brochures, Postcards, etc.)
- Newspaper (Remove bags, strings and rubber bands)
- Magazines & Catalogs
- Shredded Paper (in paper/clear plastic bags only)
- Books/Phone Books
- Box Board (Cereal Boxes, etc.)

CONTAINERS (Empty/Rinsed)

- Plastic Jugs/Bottles (#1 & #2)
- Household Plastic (#3-#7)
- Small Steel, Tin and Aluminum Cans
- Aluminum Pans

"WE" DO RECYCLE:

CLEAR/EMPTY GLASS, WOOD AND LARGE METALS

- Use specially marked containers located in the 19 Valley Way "Boneyard". Wood must not be painted, must not be wolmanized and free of nails or metal bracing.

"WE" DON'T RECYCLE (NOT ACCEPTABLE)

PUT IN TRASH CANS

- Styrofoam Containers/Packing
- Garbage/Floor Sweepings
- Food Waste
- Plastic bags
- Stickers, Wax Paper, and Aluminum Foil
- Paper Milk or Juice Cartons (Wax Coated)
- Photographs and Laminating Film
- Medical Waste (Syringes/Needles)
- Tissue and Toilet Paper
- Ceramic Tile

For additional bins, contact the [Physical Plant](#) at (248) 645-3123.
For additional information regarding Recycling acceptable and non-acceptable items, please contact the [Sustainability Office](#) at 248-645-3288. Thank you for making a difference at Cranbrook!

WE RECYCLE — See Story on Page 2



Cranbrook Kingswood Upper School Students

Aiming to foster an appreciation for farming and healthy eating among area youth

Story on Page 2.

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For several years, we all may have noticed the blue recycle bins in our offices, classrooms and dormitory halls. Or, perhaps, we've seen recycle bins strategically placed along the athletic fields, curbsides or special dumpsters in designated areas. Although recycling bins have been present, many still have asked questions about Cranbrook Recycle Program. More specifically, "Who?", "What?", "How?", "Why?" along with 3 of the most frequently asked questions: "Are we really recycling, because we see a lot of co-mingling of items being placed in the recycle bins?", "What happens to the recyclable materials after the bins are re-emptied" and finally, "What is our purpose for Recycling?" All of these questions — and more — will be answered below.

How Does The Cranbrook "We Recycle" Program Work?

Cranbrook **refuse/trash**, which is denoted by the **green** curbie carts, is picked up by Runco Waste Industries from various locations throughout the campus and dumped into the Runco Waste Removal truck. Runco Waste Industries hauls the refuse/trash to an incinerator for destruction. For Cranbrook **recyclable materials**, Runco Waste utilizes the "single stream" recycling system whereby Cranbrook has the ability to co-mingle all acceptable recyclable materials into one container.



Blue WE RECYCLE Bins, are located in Cranbrook academic and administrative buildings throughout the campus. Exterior bins (**Black**) with the **Green Cranbrook –WE RECYCLE** logo and additional Blue Bins are strategically placed along heavily traveled public walkways, exterior locations and athletic fields to encourage community-wide participation and provide easy access to recycling containers. For additional bins, please contact Physical Plant at extension 3123.



Cranbrook Building Services & Landscape staff (*whom we all greatly appreciate*), removes the recyclables from the interior and exterior recycle bins and puts the contents into the recycling curbies and designated dumpsters. On the scheduled service days, Runco Waste personnel picks up and empties the curbies and dumpsters into the Runco Waste Removal trucks and transports the recyclable materials to the recycling facility for processing. Plastic, paper, cardboard and metals are separated by hand and/or machine and then compressed into square bails and then loaded into large 54' trailers and eventually shipped to an end-user who reuses the products. This Single Stream System utilized by Runco is very much the same system that is used for collections at residential households and has proven to be a great way to recycle while being cost effective. (Please refer to the Cranbrook Green "We Recycle" Flyer for a listing of the acceptable/non-acceptable items (*See page 1*). A copy of the Flyer is also available and may be downloaded and posted at your leisure: (File name: s:/SustainabilityatCEC/Cranbrook We Recycle/We Recycle Flyer 2013).

"What Happens After The Recycle Bins Are Emptied?" and "What Is Our Purpose For Recycling?"

Did you know that each recycling bin that we fill with "acceptable" plastic, aluminum, glass, paper and cardboard helps the environment and world around us? Our recycling efforts help prevent used materials from entering the waste stream, requiring less energy to turn the materials into products of good use. Below are a few examples of how these items are being re-purposed:

- Plastic Milk Jugs being used to make colorful playthings. Repurposing one pound of milk jugs instead of making new plastics saves enough energy to run a computer for a month?
- Second Life for Paper– Purina's Yesterday's News and Second Nature litter for cats and dogs, respectively, is made from recycled paper and absorbs waste upward from the bottom of the litter box for easier cleaning. The unscented litter pellets are three times as absorbent as clay, non-toxic and nearly dust-free. Hedgehogs, mice, gerbils, hamsters, guinea pigs and reptiles also like Yesterday's News for bedding. On average 44 million pounds of paper are recycled for these products.
- Aluminum can be recycled an infinite number of times. If every American recycled just one more can weekly, we would reduce 17 billion cans from landfills yearly.

Every time we each take time to find and fill the nearest recycle bins with recyclable materials instead of placing them in trash cans, we are helping more and more companies put these resources to good use. We are also demonstrating our commitment to help Cranbrook achieve the strategic goal of reducing our landfill waste by 30% by 2015. And most of all, we are being forever reminded that thoughtful consumption contributes to a more global purpose: *healthier people and a healthier planet.*

Community-Wide (Universal) Waste: Who Do You Call? CRANBROOK FACULTY/STAFF -NON RESIDENTIAL

Department
Information Technology
Ext. 3107
HelpDesk@cranbrook.edu

Type of Items
CEC computers, monitors, keyboards, scanners, printers & office phones

Public Safety
Ext. 3170
SecurityServices@Cranbrook.edu

Hazardous Materials
(Removal & Storage)
Fluorescent Bulbs (long and CFLs)
Commercial Batteries

Sustainability/Business Services –Ext. 7749
Sustainability@cranbrook.edu

Cranbrook Cell phones/pagers
Non-Residential TV's, VCRs & Camcorders
Surplus Property
Other Items Not Listed

CRANBROOK FACULTY/STAFF/RESIDENTIAL HAZADOUS & E-WASTE

Bloomfield Hills residents may call SOCRRA at 248-288-5133 to request an appointment to drop off hazardous wastes during the year.

Additional Information:
<http://cityofbloomfieldhills.blogspot.com/2011/06/household-hazardous-waste-disposal-now.html>

A Focus On Program Activities Related To Sustainability

Cranbrook Kingswood Upper School Students On the Move!

Aiming to foster an appreciation for farming and healthy eating among area youth

Serena Bian and Claire Erwin, Cranbrook Kingswood (CK) Upper School Students (LITE) Club members spent their summer on the move making a "HUGE" difference in the lives of others. They shared their summer project with us. Early this past spring, they converted a trailer bed into a portable garden, and planted various fruits, veggies, and herbs. They used their creativity to paint the trailer and the plants are flourishing! As of August 2013, they started traveling to various summer camps, parks, and fairs, aiming to foster an appreciation for farming and healthy eating among urban youth. After posting this picture on Insta-gram, many other CK students expressed their interest to join!

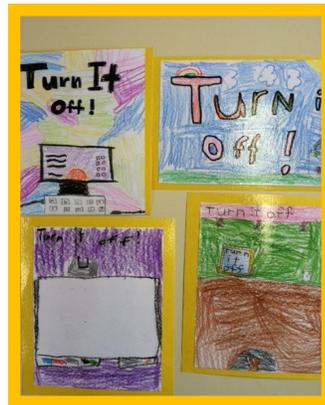
Their website is Gardenonthegodetroit.com and they will be updating it frequently with pictures, events, and activities. Serena and Claire would love your support and extended the following invitation: "if you are ever in Detroit during one of the posted dates/places they are visiting, they would be so happy if you visited!" Until then, these two young ladies are on the move!!



Pictured: Serena Bian & Claire Erwin and the Garden on the Go

US Student Selected To DNR Board

Claire Erwin, Cranbrook Kingswood Senior (LITE Club) was one of 15 students appointed to a two-year term on the State of Michigan's Department of Natural Resources (DNR) Youth Board. Claire will help lead efforts to get kids statewide to explore the outdoors by participating in monthly conference calls and quarterly weekend retreats to plan programs and learn more about DNR strategies and interact with Michigan youth with like interest. Claire has also been asked to chair the marketing and outreach committee. Join us in Congratulating Claire on her appointment!



Brookside Students Say: "Turn It Off!"

Brookside School second graders each drew a "Turn It Off" sign that was mounted and laminated. The students will be placing the signs throughout Brookside school near light switches, computer monitors, and Smart Boards. Brookside faculty, staff and parents are also developing environmental presentations for Science Day! They are also working on composting in the children's garden and having multiple discussions with School's Leadership on their "No Idling" initiative!

CIS Director Speaks at Summer Gardening Seminar

This Summer, the Cranbrook Institute of Science (CIS) served as a co-sponsor of "The Master's Garden: Gardening in Harmony with Nature" at the Manresa Jesuit Retreat House in Bloomfield Hills. The program was a day to learn eco-friendly gardening tips and tricks while discovering ways to save our Earth one backyard at a time.

CIS Director, Dr. Michael Stafford, a passionate beekeeper, was a speaker and discussed the current thinking and research related to understanding the causes of and solutions to the potentially devastating phenomenon known as Colony Disorder. The sudden collapse of domestic honeybee colonies in North America has us wondering "Where have all the honey bees gone?" For a link to Dr. Stafford's presentation, you may log on to <http://tinyurl.com/mn3o6rf>.



Dr. Michael Stafford



Congratulations To:

***Cranbrook Kingswood
Upper School***

**for achieving the Green
School Emerald Status!**

COO Voice and Vision:

Our Strategic Goals & Progress Report

In an effort to strengthen our focus and commitment of *Sustainability at Cranbrook*, the Board of Trustees approved the following **2013-15 Strategic Planning Goals** during the June 2013 meeting:

- *Reduction in campus-wide energy consumption by 10%
- *Increase campus recycling rate by 20%
- *Reduction in campus water use baseline by 10%
- *Reduction in the use of commercial high-nitrate fertilizers on the CEC landscape by 50%
- *Consideration of sustainable hardscape products, i.e., parking lots, even at a higher cost than non-sustainable alternatives;
- *Reduction of food waste in Cranbrook/Kingswood dining halls by 30%
- *Elimination of plastic water bottles campus-wide in favor of refillable containers

We will sharing **Progress Reports** and on-going updates for each goal to communicate and measure our progress as a Community. Below are some of the sustainability initiatives that are currently underway or have been completed within the last few months:

Energy Consumption:

- *Installation of new energy efficient water heater system in Keppel gym to further reduce natural gas usage.
- *Investigation of LED alternatives to interior fluorescent lighting
- *Installation of two new boilers in Keppel Gym and Kingswood Upper School, replacing units that are nearly 50 years old.

Recycling:

- *Strategically and visibly place clearly marked Recycling bins throughout campus (interior/exterior)
- *Refresher & Recycling Awareness training for Building Services (Custodial), Maintenance, and Landscape staff on recycling at Cranbrook.
- *Complete evaluation of consumption and recycling processes on campus.
- *Work with existing waste management/recycling service provider and facilities staff to develop metric to improve recycling credibility and measure progress.

Water Usage:

- *Complete assessment of selected fountains for recirculating pump installations to significantly reduce water needs.

Eliminate Use of Plastic Bottles:

- *Work with Senior Staff and Chartwells to encourage water pitcher service in lieu of water bottle service

Other:

- *Implementation of two (2) new wellness programs for CEC faculty and staff
- *Development and implementation of three (3) sustainability-focused education

(Mr. Rod Spearin, Chief Operating Officer (COO) at Cranbrook Educational Community)

You Can Help Make A Difference



Update us on your progress - share your success— share your ideas at home and work

Please share your comments and ideas with us. Contact **Norma Evans** at 248-645-3288 or sustainability@cranbrook.edu with any questions, ideas, or information. Working together, we can make a difference!

The *Sustainability at Cranbrook* newsletter is published quarterly for Cranbrook Educational Community.

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GREEN CRANBROOK "WE RECYCLE"

"We have blazed new trail; it will be largely the work of others to extend, to widen and to improve it and make it into a highway on both sides of which may be reared lasting and beautiful edifices on a foundation which I trust will be found imperishable."

George Booth, 1927 (Cranbrook School for Boys Dedicatory Exercises)

While walking through the Cranbrook Art Museum, I saw this quote posted on the wall during the exhibition *"Vision and Insight: Building Cranbrook 1904 thru 2012"*. Although quoted in 1927, this quote so eloquently stated by the Visionary, Founder and Trailer Blazer himself, says to me that he knew he was building a legacy institution for generations

to come. As he stated, it would largely be the work of the next generation of faculty, staff, students, parents, volunteers and donors that would widen and improve it and make it a highway on both sides of which may be reared lasting and beautiful edifices on a foundation which he trusted would be found imperishable.

"We Recycle" is just one of many ways Cranbrook faculty, staff and students are working together as a unified community to help carry out the Booth legacy. Also, **we** don't recycle at Cranbrook because **we** have been asked to do so. Instead, **we** choose to recycle at Cranbrook because **we** understand the vision, we understand that **we** are part of a great legacy and future generations are depending on us.

Eighty-six years later, **we** are still blazing new trails at Cranbrook in every program area, working together, widening, and building superhighways on both sides, rearing lasting and beautiful edifices on a foundation and legacy that will be found imperishable.

After reading this quote from George Booth, I am further inspired and motivated to step up my game and help make a difference in Cranbrook recycling efforts. Now, every time I see filled Recycling bins in Cranbrook offices, dormitory halls, athletic fields, at the Institute of Science and along residential curb sides, the evidence of how **we** are carrying out the vision is on display.

Cranbrook, Yes, **We Recycle**".

Challenge— Recycling in the Office and at Home



Participating in a recycling program at home and work is an important part of reducing environmental damage and creating a greener, more sustainable lifestyle. Here are a few things you can do to make the process easier at your home and office so that your family and coworkers will continue to recycle:

In The Office

- ◆ When making copies, **make two-sided copies** when possible. Dedicate a container in your copier room and next to your desk to collect paper waste.
- ◆ **Avoid printing electronic documents.** Create folders on your computer and save them electronically.
- ◆ Need handouts for a meeting? **Send out PDF copies** beforehand so people can read from their laptops. Then project your presentation.
- ◆ **Use refillable** pens, pencils and tape dispensers and rechargeable batteries.
- ◆ When receiving a package in the mail with polystyrene "peanuts", **reuse** them when sending out your packages.
- ◆ **Bring in your own ceramic coffee mug or tea cup** from home. Just think of the paper you'll save.
- ◆ Make sure you **have two baskets for waste:** A blue bin for recycling and another Waste basket for everything else. Contact Physical Plant at ext. 3123 if you are in need of a container.

At Home

- ◆ **Visit your local recycling center** and find out what materials they accept for recycling. Set up and label your bins accordingly to ensure materials are separated correctly. To find your center, call 1-800-CLEANUP (253-2687).
- ◆ **Use recyclable plastic bags or totes** to store recycling. Try to use smaller containers, as they will be easier to lift when full.
- ◆ **Put a 'no junk mail' sticker on your letter box.** You'll be amazed at how much this reduces your rubbish.
- ◆ **Join the Freecycle™ movement** - the idea is simple: you give away for free what you have and don't need and you receive for free what you need, but don't have. Check out Freecycle.org.
- ◆ **Rinse everything out.** It's more efficient if the recycling center gets items that have been cleaned, and rinsing prevents your recycling bin from getting stinky and attracting pests.
- ◆ **Don't recycle anything that has food residue stuck to it.** This includes pizza boxes, paper towels, and paper plates. Food waste adds impurities to recyclable items, rendering them useless.
- ◆ **Don't put plastic grocery bags into your recycling bin.** Take them with you next time you go to the store and recycle them.

